**Basic Function of Job:**

Participates as a summer research intern in the Significant Opportunities in Atmospheric Research and Science (SOARS™) program.

**Duties:** Describe the primary work to be performed. List duties starting with those duties taking the greatest percent of time.

**Research**

Engage in scientific research at UCAR/NCAR or partnering laboratories in Boulder, Colorado. First year protégés primarily follow the guidance of their scientific mentors. Returning protégés normally collaborate in the design of their research project.

**Reports and Presentations**

Participate in all SOARS training, including technical writing and communication to scientific and non-scientific audiences.

Submit weekly writing assignments by assigned deadlines.

Prepare two oral presentations, and submit an abstract, an academic paper, as well as a poster by the conclusion of the summer program.

Serve as peer reviewers of each other’s work.

Attend up to two national scientific conferences to present summer’s research through oral and poster presentations. May also support SOARS outreach efforts at conferences. (Conference attendance is funded by SOARS and may occur during the academic year.)

Participate in one outreach event per year.

**Seminars**

Participate in technical seminars with peers and scientists.

**Peer mentoring**

Returning protégés may be asked to serve as peer mentors for incoming students. Protégés will receive training in mentoring.

**Community and professional behavior**

Protégés are part of a diverse community of peers working and living together. Protégés are expected to contribute positively to the community and to conduct themselves appropriate to a professional environment. Protégés are also expected to fully participate during normal office hours, during SOARS functions and while on SOARS funded travel.
### DECISION MAKING & PROBLEM SOLVING - i.e., types of problems that are solved independently

Basic problem solving skills. Will exercise judgment when to ask for help. Consults with supervisor on larger job or community related issues.

### KNOWLEDGE/SKILLS/ABILITIES

- Ability to work with a diverse group of peers.
- Skill in the use of software for communication purposes (e.g. Word, Excel)
- Ability and willingness to learn and use scientific computing tools and programs
- Good oral and written communication skills.
- Basic problem solving skills.
- Ability to analyze data and draw conclusions.
- Potential to excel in a scientific career.
- Basic knowledge, through coursework, of earth sciences, computer science or engineering
- Ability to work full-time in Boulder, CO during the summer program.
- Ability to interact with mentors and peers in a manner that supports collaboration and inquiry
- Ability and willingness to work within guidelines and policies of organization and assigned work groups

Other Requirements
United States citizen or legal resident

### EDUCATION & EXPERIENCE

Currently enrolled in an undergraduate program with a major in the earth sciences, computing or engineering, or related field. Must have at least one semester of college remaining after the initial summer program.

**DESIRED (but not required):**

The ideal candidate will have completed the equivalent of two years of college; have some basic research and programming experience and have a cumulative GPA of 3.0 or higher.